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1 [Visual information retrieval from large distributed online repositories](#)

Ads 1

 Shih-Fu Chang, John R. Smith, Mandis Belgil, Ana Benitez
 December 1997 Communications of the ACM, Volume 40 Issue 12

Publisher: ACM

Full text available: [pdf \(1.96 MB\)](#)
[Additional Information: full citation, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 197, Citation Count: 26

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2 [Main-memory index structures with fixed-size partial keys](#)

 Philip Bohannon, Peter McIlroy, Rajeev Rastogi
 May 2001 SIGMOD '01: Proceedings of the 2001 ACM SIGMOD international conference on Management of data

Publisher: ACM

Full text available: [pdf \(185.51 KB\)](#)
[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 122, Citation Count: 14

The performance of main-memory index structures is increasingly determined by the number of CPU cache misses incurred when traversing the index. When keys are stored indirectly, as is standard in main-memory databases, the cost of key retrieval in terms ...

Keywords: B-trees, T-tree, cache coherence, key compression, main-memory indices

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3 [Main-memory index structures with fixed-size partial keys](#)

 Philip Bohannon, Peter McIlroy, Rajeev Rastogi
 June 2001 ACM SIGMOD Record, Volume 30 Issue 2

Publisher: ACM

Full text available: [pdf \(185.51 KB\)](#)
[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 122, Citation Count: 14

The performance of main-memory index structures is increasingly determined by the number of CPU cache misses incurred when traversing the index. When keys are stored indirectly, as is standard in main-memory databases, the cost of key retrieval in terms ...

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Keywords: B-trees, T-tree, cache coherence, key compression, main-memory indices

4 [Extracting semantics from data cubes using cube transversals and closures](#)

Alain Casali, Rosine Cicchetti, Lotfi Lakhal

August 2003 KDD '03: Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

Full text available:  pdf(389.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 67, Citation Count: 0

In this paper we propose a lattice-based approach intended for extracting semantics from datacubes: borders of version spaces for supervised classification, closed cube lattice to summarize the semantics of datacubes w.r.t. COUNT, SUM, and covering graph ...

Keywords: algorithm, closures, datacubes, hypergraph transversals, lattices, version spaces

5 [Searchable symmetric encryption: improved definitions and efficient constructions](#)

Reza Curtmola, Juan Garay, Seny Kamara, Rafail Ostrovsky

October 2006 CCS '06: Proceedings of the 13th ACM conference on Computer and communications security

Publisher: ACM

Full text available:  pdf(682.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 190, Citation Count: 0

Searchable symmetric encryption (SSE) allows a party to outsource the storage of its data to another party (a server) in a private manner, while maintaining the ability to selectively search over it. This problem has been the focus of active research ...

Keywords: multi-user, searchable encryption, searchable symmetric encryption, security definitions

6 [Reasoning about the behavior of Semantic Web services with concurrent transaction logic](#)

Dumitru Roman, Michael Kifer

September 2007 VLDB '07: Proceedings of the 33rd international conference on Very large data bases

Publisher: VLDB Endowment

Full text available:  pdf(423.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 79, Citation Count: 0

The recent upsurge in the interest in Semantic Web services and the high-profile projects such as the WSMO, OWLS, and SWSL, have drawn attention to the importance of logic-based modeling of the behavior of Web services. In the context of Semantic Web ...

7 [Characterizing typical and atypical user sessions in clickstreams](#)

Narayanan Sadagopan, Jie Li

April 2008 WWW '08: Proceeding of the 17th international conference on World Wide Web

Publisher: ACM

Full text available:  [pdf\(423.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 49, Citation Count: 0

Millions of users retrieve information from the Internet using search engines. Mining these user sessions can provide valuable information about the quality of user experience and the perceived quality of search results. Often search engines rely on ...

Keywords: clickstream analysis, outlier detection, web search

8 Automatic physical database tuning: a relaxation-based approach

Nicolas Bruno, Surajit Chaudhuri

June 2005 SIGMOD '05: Proceedings of the 2005 ACM SIGMOD international conference on Management of data

Publisher: ACM

Full text available:  [pdf\(476.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 151, Citation Count: 3

In recent years there has been considerable research on automated selection of physical design in database systems. In current solutions, candidate access paths are heuristically chosen based on the structure of each input query, and a subsequent bottom-up ...

9 PicASHOW: pictorial authority search by hyperlinks on the web

January 2002 ACM Transactions on Information Systems (TOIS), Volume 20 Issue 1

Publisher: ACM

Full text available:  [pdf\(436.32 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 49, Citation Count: 0

We describe PicASHOW, a fully automated WWW image retrieval system that is based on several link-structure analyzing algorithms. Our basic premise is that a page p displays (or links to) an image when the author of p considers the image ...

Keywords: Image retrieval, hubs and authorities, image hubs, link structure analysis

10 Query suspend and resume

Badri Chandramouli, Christopher N. Bond, Shvinnath Babu, Jun Yang

June 2007 SIGMOD '07: Proceedings of the 2007 ACM SIGMOD international conference on Management of data

Publisher: ACM

Full text available:  [pdf\(531.69 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 266, Citation Count: 0

Suppose a long-running analytical query is executing on a database server and has been allocated a large amount of physical memory. A high-priority task comes in and we need to run it immediately with all available resources. We have several choices. ...


Keywords: optimization, processing, query, resume, suspend

11 [An organic user interface for searching citation links](#)

Jock D. Mackinlay, Ramana Rao, Stuart K. Card

May 1995 CHI '95: Proceedings of the SIGCHI conference on Human factors in computing systems

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available:  [html\(43.79 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 73, Citation Count: 28

12 [A logical framework for scheduling workflows under resource allocation constraints](#)

Pinar Senkul, Michael Kifer, Ismail H. Toroslu

August 2002 VLDB '02: Proceedings of the 28th international conference on Very Large Data Bases

Publisher: VLDB Endowment

Full text available:  [pdf\(275.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 61, Citation Count: 0

A workflow consists of a collection of coordinated tasks designed to carry out a well-defined complex process, such as catalog ordering, trip planning, or a business process in an enterprise. Scheduling of workflows is a problem of finding a correct ...


13 [Approximate spatio-temporal retrieval](#)



Dimitris Papadias, Nikos Mamoulis, Vasilis Delis

January 2001 ACM Transactions on Information Systems (TOIS), Volume 19 Issue 1

Publisher: ACM

Full text available:  [pdf\(481.40 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 82, Citation Count: 2

This paper proposes a framework for the handling of spatio-temporal queries with inexact matches, using the concept of relation similarity. We initially describe a binary string encoding for 1D relations that permits the automatic derivation of similarity ...

14 [Optimizing large star-schema queries with snowflakes via heuristic-based query rewriting](#)

Yingying Tao, Qiang Zhu, Calisto Zuzarte, Wing Lau

October 2003 CASCON '03: Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available:  [pdf\(142.43 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 132, Citation Count: 0

User queries have been becoming increasingly complex (e.g., involving a large number of joins) as database technology is applied to some application domains such as data warehouses and life sciences. Query optimizers in existing database management systems ...

Keywords: complex query, database management system, query graph, query optimization, query rewrite

15 Scalable automatic test data generation from modeling diagrams

Yannis Smaragdakis, Christoph Csallner, Ranjith Subramanian

November 2007 ASE '07: Proceedings of the twenty-second IEEE/ACM international conference on Automated software engineering

Publisher: ACM

Full text available: pdf(715.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 74, Citation Count: 0

We explore the automatic generation of test data that respect constraints expressed in the Object-Role Modeling(ORM) language. ORM is a popular conceptual modeling language, primarily targeting database applications, with significant uses in practice. ...

Keywords: NP-hardness, ORM, ORM-modeling, test databases

16 A semantic approach to contextual advertising

Andrei Broder, Marcus Fontoura, Vanja Josifovski, Lance Riedel

July 2007 SIGIR '07: Proceedings of the 30th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Full text available: pdf(334.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 90, Downloads (12 Months): 818, Citation Count: 0

Contextual advertising or Context Match (CM) refers to the placement of commercial textual advertisements within the content of a generic web page, while Sponsored Search (SS) advertising consists in placing ads on result pages from a web search engine, ...

Keywords: contextual advertising, matching, semantics

17 Visual information retrieval

Amarnath Gupta, Ramesh Jain

May 1997 Communications of the ACM, Volume 40 Issue 5

Publisher: ACM

Full text available: pdf(676.39 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 311, Citation Count: 74

18 Just-in-time contextual advertising

Aris Anagnostopoulos, Andrei Z. Broder, Evgeniy Gabrilovich, Vanja Josifovski, Lance Riedel

November 2007 CIKM '07: Proceedings of the sixteenth ACM conference on Conference on information and knowledge management

Publisher: ACM

Full text available: pdf(374.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 73, Downloads (12 Months): 319, Citation Count: 0

Contextual Advertising is a type of Web advertising, which, given the URL of a Web page, aims to embed into the page (typically via JavaScript) the most relevant textual ads available. For static pages that are displayed repeatedly, the matching ...

Keywords: text classification, text summarization

19 [Optimizing query rewrites for keyword-based advertising](#)



Azarakhsh Malekian, Chi-Chao Chang, Ravi Kumar, Grant Wang

July 2008 EC '08: Proceedings of the 9th ACM conference on Electronic commerce

Publisher: ACM

Full text available: pdf(297.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

We consider the problem of query rewrites in the context of pay-per-click search advertising. Given a three-layer graph consisting of queries, query rewrites, and the corresponding ads that can be served for the rewrites, we formulate a family of graph ...

Keywords: greedy algorithm, keyword-based advertising, query rewriting, submodularity

20 [Robust, anonymous RFID authentication with constant key-lookup](#)



Mike Burmester, Breno de Medeiros, Rossana Motta

March 2008 ASI ACCS '08: Proceedings of the 2008 ACM symposium on Information, computer and communications security

Publisher: ACM

Full text available: pdf(315.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 49, Citation Count: 0

A considerable number of anonymous RFID authentication schemes have been proposed. However, current proposals either do not provide robust security guarantees, or suffer from scalability issues when the number of tags issued by the system is very large. ...

Keywords: RFID, availability, privacy, provably secure protocols, scalability, unlinkability

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